

Major Required Courses (75 credits)

- ____ (3) TLI 11100 Introduction to Manufacturing and Supply Chain Systems *or* IT 10400 *Industrial Orgs*
- ____ (3) TLI 11200 Foundations of Organizational Leadership *or* OLS 25200 *Human Behavior in Organizations*
- ____ (3) TLI 21300 Project Management *or* TECH 32000 *Technology and the Organization* *or* OLS 45000 *Project Management*
- ____ (3) TLI 21400 Introduction to Supply Chain Management Technology *or* IT 23000 *Industrial Supply Chain Management*
- ____ (3) TLI 31400 Leading Innovation in Organizations
- ____ (3) TLI 31500 New Product Development
- ____ (3) TLI 31600 Statistical Quality Control *or* IT 34200 *Intro to Statistical Quality*
- ____ (3) TLI 36700 Design & Innovation I
- ____ (3) TLI 41400 Financial Analysis for Technology Systems *or* IT 43200 *Financial Transaction in Distribution*
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- ____ (3) TLI 15200 Business Principles for Organizational Leadership
- ____ (3) TLI 25300 Principles of Technology Strategy
- ____ (3) TLI 25400 Leading Change in Technology Organizations *or* OLS 38600 *Leading Organizational Change and Innovation*
- ____ (3) TLI 33400 Economic Analysis for Technology Systems *or* MGMT 20010 *Business Accounting* *or* MGMT 20000 *Intro Accounting* *or* IT 45000 *Production Cost Analysis*
- ____ (3) TLI 35600 Global Technology Leadership *or* OLS 45600 *Leadership in Global Environment* *or* TECH 33000 *Tech & Global Society*
- ____ (3) TLI 43640 Lean Six Sigma *or* IT 44600 *Six Sigma Quality*
- ____ (3) TLI 45700 Technology Policy and Law *or* OLS 34600 *Critical Thinking & Ethics*
- ____ (3) TLI 45800 Leadership for Competitive Advantage *or* OLS 48400 *Leadership Strategies for Quality & Productivity*
- ____ (3) TLI 48590 Organizational Leadership Capstone I
- ____ (3) TLI 48595 Organizational Leadership Capstone II
- ____ (3) TLI Selective⁸ (See Supplemental Information)
- ____ (3) Leadership Experiential Selective¹⁰ (See Supplemental Information)
- ____ (0) Globalization Experience¹²
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- ____ (3) Technology Focus Selective⁹ (See Supplemental Information)
- ____ (3) Technology Focus Selective⁹ (See Supplemental Information)
- ____ (3) Technology Focus Selective⁹ (See Supplemental Information)
- ____ (3) Technology Focus Selective⁹ (See Supplemental Information)

Other Departmental Courses (36 credits)

- ____ (3) COM 11400 Fundamentals of Speech Communication (*satisfies Oral Communication for core*)
- ____ (3) MA 15555 Quantitative Reasoning *or* MA 15800 Precalculus (*satisfies Quantitative Reasoning for core*)
- ____ (3) PSY 12000 Elementary Psychology *or* SOC 10000 Introductory Sociology (*satisfies Human Cultures Behavioral/Social Science for core*)
- ____ (3) TECH 12000 Design Thinking in Technology (*satisfies Science, Technology & Society and Information Literacy for core*)
- ____ (3) Humanities Selective¹ (*satisfies Human Cultures Humanities for core*) (See Supplemental Information)
- ____ (3) Science Selective³ (*satisfies Science for core*) (See Supplemental Information)
- ____ (3) Lab Science Selective² (*satisfies Science for core*) (See Supplemental Information)
- ____ (3) Written Communication Selective⁴ (*satisfies Written Communication for core*) (See Supplemental Information)
- ____ (3) ECON 21000 Principles of Economics *or* AGE 21700 *Economics* *or* ECON 25100 *Microeconomics* *or* ECON 25200 *Macroeconomics*
- ____ (3) Mathematics/Statistics Selective⁵ (See Supplemental Information)
- ____ (3) History of Science and Technology Selective⁶ (See Supplemental Information)
- ____ (3) Advanced Communication Selective⁷ (See Supplemental Information)

Electives¹¹ (9 credits) (See Supplemental Information)

____ (3) _____ (3) _____ (3) _____

University Core Requirements (<http://www.purdue.edu/provost/initiatives/curriculum/course.html>)

Human Cultures Humanities	<input type="checkbox"/>	Science, Technology & Society Selective	<input type="checkbox"/>	TECH 12000
Human Cultures Behavioral/Social Science	<input type="checkbox"/>	Written Communication	<input type="checkbox"/>	ENGL 10600/10800
Information Literacy	<input type="checkbox"/>	Oral Communication	<input type="checkbox"/>	COM 11400
Science Selective	<input type="checkbox"/>	Quantitative Reasoning	<input type="checkbox"/>	MA 15500
Science Selective	<input type="checkbox"/>			

Organizational Leadership

Suggested Arrangement of Courses:

Credits	Fall 1st Year	Prerequisite	Credits	Spring 1st Year	Prerequisite
3	COM 11400 Fundamentals of Speech Communication *		3	TLI 11100 Intro to Manufacturing & Supply Chain Systems	
3	MA 15555 Quantitative Reasoning or MA 15800 Precalculus*		3	TLI 15200 Business Principles for Organizational Leadership	
3	TECH 12000 Design Thinking in Technology *		3	Mathematics/Statistics Selective ⁵	
3	TLI 11200 Foundations of Org Leadership		3/4	Written Communication Selective* ⁴	
3	Humanities Selective* ¹		3	Lab Science Selective* ²	
15			15/16		

Credits	Fall 2nd Year	Prerequisite	Credits	Spring 2nd Year	Prerequisite
3	PSY 12000 Elem Psychology or SOC 10000 Intro Soc *		3	TLI 25400 Leading Change in Tech Org	
3	ECON 21000 Princ of Econ		3	Science Selective* ³	
3	TLI 21300 Project Management		3	History of Science & Tech Selective ⁶	
3	TLI 21400 Into to Supply Chain MGMT Tech		3	Technology Focus Selective ⁹	
3	TLI 25300 Principles of Technology Strategy		3	Elective ¹¹	
15			15		

Credits	Fall 3rd Year	Prerequisite	Credits	Spring 3rd Year	Prerequisite
3	TLI 31400 Leading Innovation in Org		3	TLI 31500 New Product Development	TLI 11200 min 'C'
3	TLI 31600 Statistical Quality Control	Math/Stat selective	3	TLI 35600 Global Tech Leadership	TLI 31400 min 'C'
3	TLI 36700 Design & Innovation I		3	TLI 33400 Economic Analysis for Tech Systems or MGMT 20010 Acct	Math/Stat selective
3	TLI Selective ⁸		3	Technology Focus Selective ⁹	
3	Technology Focus Selective ⁹		3	Technology Focus Selective ⁹	
15			15		

Credits	Fall 4th Year	Prerequisite	Credits	Spring 4th Year	Prerequisite
3	TLI 41400 Financial Analysis for Tech Systems	TLI 33400 min 'C' or MGMT 20010 min 'C'	3	TLI 43640 Lean Six Sigma	TLI 31600
3	TLI 45700 Technology Policy & Law		3	TLI 48595 Org. Leadership Capstone II	TLI 48590 min 'C'
3	TLI 45800 Leadership for Comp Adv	TLI 25300 min 'C' and TLI 25400 min 'C'	3	Advanced Communication Selective ⁷	
3	TLI 48590 Org. Leadership Capstone I	Senior Standing	3	Elective ¹¹	
3	Leadership Experiential Selective ¹⁰		3	Elective ¹¹	
			0	Globalization Experience ¹²	
15			15		

*Fulfills University Core

- 1) 120 credits listed above are required for the OLSV Bachelor of Science degree.
- 2) 2.0 Graduation GPA required for Bachelor of Science degree.
- 3) 32 credits of upper division courses (30000 level or higher) must be taken at Purdue University, West Lafayette.
- 4) ANY COURSE TAKEN AT PURDUE CAN BE ATTEMPTED NO MORE THAN THREE TIMES (INCLUSIVE OF W, WF, I AND IF).

See next page for all supplemental Information

The student is ultimately responsible for knowing and completing all degree requirements.
myPurdue Plan is knowledge source for specific requirements and completion

OL Supplemental Information

¹Humanities Selective (3 credits)

See approved Humanities list at: <http://www.purdue.edu/provost/initiatives/curriculum/course.html>

²Lab Science Selective (3 credits)

Must be a lab from the below list that is from the approved UCC Science list: <http://www.purdue.edu/provost/initiatives/curriculum/course.html>

ASTR 26300 Descriptive Astronomy: The Solar System	BIOL 20400 Human Anatomy and Physiology	EAPS 24300 Earth Materials I
ASTR 26400 Descriptive Astronomy: Stars and Galaxies	BTNY 11000 Intro to Plant Science	EAPS 24400 Earth Materials II
BIOL 11000 Fundamentals of Biology I	CHM 11100 General Chemistry	ENTM 20600 General Entomology & ENTM
BIOL 11100 Fundamentals of Biology II	CHM 11200 General Chemistry	20700 General Entomology Lab
BIOL 12100 Biology I: Ecology, Diversity, & Behavior	CHM 11500 General Chemistry	HORT 10100 Fundamentals of Horticulture
BIOL 13100 Biology II: Dev, Structure & Function of Organisms	CHM 11600 General Chemistry	PHYS 17200 Modern Mechanics
BIOL 13500 First year Biology lab	CHM 12500 Introduction to Chemistry	PHYS 21800 General Physics I
BIOL 14600 Introduction to Biology	CHM 12600 Introduction to Chemistry II	PHYS 21900 General Physics II
BIOL 20300 Human Anatomy and Physiology	CHM 13600 General Chemistry Honors	PHYS 22000 General Physics
	CHM 20000 Fund of Chemistry	PHYS 22100 General Physics
	EAPS 10900 The Dynamic Earth	PHYS 24100 Electricity & Optics
	EAPS 11100 Physical Geology	PHYS 27200 Electric & Magnetic Interactions
	EAPS 11200 Earth through Time	

³Science Selective (3 credits)

Must be a class from the approved UCC Science list: <http://www.purdue.edu/provost/initiatives/curriculum/course.html>

⁴Written Communication Selective (minimum 3 credits)

ENGL 10600 First-Year Composition	ENGL 10800 Accelerated First-Year Composition
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⁵Mathematics/Statistics Selective (3 credits)

MA 16010 Applied Calculus I	MA 16500 Analytic Geometry & Calculus I	*STAT 30100 Elementary Statistics Methods (recommended)
MA 16100 Plane Analytic Geometry & Calculus I	MA 16600 Analytic Geometry & Calculus II	
MA 16200 Plane Analytic Geometry & Calculus II	STAT 22500 Intro Probability Models	

⁶History of Science and Technology Selective (3 credits)

HIST 15200 US Since 1877	HIST 35000 Science & Technology in the Twentieth Century World	HIST 38700 History of the Space Age
HIST 33300 Science & Technology in West Civ I	HIST 38001 History of United States Agriculture	HIST 49400 Science & Technology in American Civilization
HIST 33400 Science & Technology in West Civ II	HIST 38400 History of Aviation	

⁷Advanced Communication Selective (3 credits)

COM 31400 Advanced Presentational Speaking	COM 32400 Intro to Organizational Communication	ENGL 30600 Intro Professional Writing
COM 31500 Speech Communication of Technical Information	COM 32500 Interviewing Principles and Practice	ENGL 42000 Business Writing
COM 31800 Principles of Persuasion	COM 41500 Discussion of Technical Problems	ENGL 42100 Technical Writing
COM 32000 Small Group Communication	ENGL 30400 Advanced Composition	

⁸TLI Selective (3 Credits)

Any TLI course not already required	ENTR 20000 Intro to Entrepreneurship and Innovation	ENTR 31000 Marketing and Management for New Ventures
		ENTR 48000 Entrepreneurship Capstone

⁹Technical Focus Selective (12 credits)

Interdisciplinary Polytechnic

Four courses in any Polytechnic discipline not already required for the OL major – course subjects are AT, BCM, CNIT, CGT, MET, MFET, ECET, OLS, IT, and IET

Human Capital

OLS 27400 Applied Leadership
OLS 28400 Leadership Principles
OLS 38800 Leadership – Teams
OLS 37500 Training Methods
OLS 37600 Human Resource Issues
OLS 45000 Project Management
OLS 47700 Conflict Management
MGMT 44301 Mgmt of Human Resource Issues
PSY 27200 Industrial/Organizational Psy

Healthcare Public Policy

POL 12000 Intro to Public Policy and Public Admin
COM 22400 Communicating In The Global Workplace
COM 25300 Introduction to Public Relations
MGMT 45500 Legal Background for Business I
POL 30000 Introduction to Political Analysis
PSY 27200 Introduction to Industrial-Organizational Psychology
SOC 22000 Social Problems
SOC 37400 Medical Sociology

Biometrics (minor in Biometrics)

TLI 43630 Design of Experiments
IT 54000 Biometric Performance & Usability Analysis
IT 54500 Biometrics Technology & Applications
TLI 49800 Undergraduate Research in TLI

Supply Chain Management Technology (minor in TSCM)

IT 21400 Intro to Lean Manufacturing or TLI
23500 Intro Lean & Sustainable Systems
IT 33000 Industrial Sales & Sales Management or TLI 34300 Technical & Service Selling
IT 33200 Purchasing, Inventory & Warehouse Management or TLI 34200 Warehouse & Inventory Management
IT 44200 Production Planning or TLI 43530 Operations Planning & Management
Advanced Manufacturing
MET 14300 Materials and Processes I or
MET 14400 Materials and Processes II
CGT 11000 Designing for Visualization & Com or
CGT 16300 Graphical Com & Spatial Analysis
MET 24500 Manufacturing Systems

MFET 30000 Applications of Automation in Manufacturing
ECET 22400 Electronic Systems
ECET 27300 Modern Energy Systems

Communication (minor in COM)

COM 10200 Intro to Communication Theory
COM 200 level or higher
COM 200 level or higher
COM 300 level or higher
COM 300 level or higher

International Leadership

AGEC 34000 International Economic Development
AGEC 43500 Leadership in a Changing World
COM 30300 Intercultural Communication
COM 22400 Com in the Global Workplace
POL 23500 International Relations Among Rich and Poor Nations
POL 34500 West European Democracies in the Post-Industrial Age
POL 43100 Selected Prob in International Law
POL 43300 International Organization
POL 43500 International Law
Any foreign language 20100 or higher, max 6 cr
Any Purdue-approved study abroad credit, 1-6 cr.

Technical Selling and Sales

AGEC 33100 Principles of Selling in Ag Business
COM 25300 Introduction to Public Relations
COM 25600 Introduction to Advertising
COM 32500 Interviewing Principles and Practices
CSR 28200 Customer Relations Management
MGMT 32300 Principles of Marketing
TLI 34300 Technical & Service Selling or IT 33000 Industrial Sales and Sales Management
TLI 34350 Business to Business Sales Management

Entrepreneurship (Certificate in Entrepreneurship & Innovation)

ENTR 20000 Intro to ENTR & Innovation
ENTR 31000 Marketing & Management for New Ventures
ENTR option course 1 (TLI 21400 Supply Chain required for the major)
ENTR option course 2
ENTR Certificate Capstone course

Military Science and Technology (minors in Naval Science, Aerospace Studies, Military Science and Leadership)

AFT 35100 Air Force ROTC Leadership Lab V
AFT 36100 AF Leadership Studies II
¹⁰Leadership Experiential Selective (3 credits)
TLI 45810 (1cr.) Internship & TLI 45820 (2cr.) Internship Seminar

¹¹**Electives (9 credits)**

Any non-remedial course offered for credit at the University not already required/being used on the plan of study

¹²**Globalization Experience (0 credits)**

Choose one of the four options below and then submit the required Globalization Reflection paper.

1. Complete a Purdue Approved Study Abroad experience
2. Complete an International Internship or Co-op
3. Complete three of the four PUPIL Badges listed here (<http://www.purdue.edu/cie/learning/global/pupil.html>)
 - a. Intercultural Openness

AFT 47100 National Security Affairs I
AFT 48100 National Security Affairs II
MSL 30100 Leadership and Problem Solving
MSL 302 00 Leadership and Ethics
MSL 40100 Leadership and Management
MSL 40200 Officership
NS 11000 Introduction to Naval Science
NS 21300 Seapower & Maritime Affairs
NS 21400 Leadership & Management I
NS41300 Naval Leadership, Mgmt, and Ethics
NS 21200 Naval Weapons
NS 31000 Navigation
NS 31100 Naval Operations
NS 33000 Evolution of Warfare

Building Construction Management (minor in BCM)

CGT 16400 Graphics for Civil Engineering and Construction
BCM 10001 Introduction to Construction
BCM 17500 Construction Materials and Methods
BCM 27500 Construction Plans and Measurements
Additional six (6) hours of BCM selectives

Coding (minor in CIT)

CNIT 13600 Personal Computing Tech & Appl
CGT 14100 Internet Found, Tech & Devel
CNIT 17500 Visual Programming or CNIT 15500 Intro to Object-Oriented Programming or CNIT 10500 Intro to C Programming
CNIT 17600 Information Technology Architectures
CNIT 18000 Intro to Systems Development
CNIT 23500 Management Information Systems & Collaboration Technology

Construction Graphics-Building Information Modeling (minor BIM)

CGT 26200 Intro to Construction Graphics 2D – credit given to students who successfully complete CGT 16400
CGT 36000 Application of Construction Documentation I
CGT 46200 Application of Construction Documentation II
CGT 46000 Building Information Modeling for Commercial Construction

Electronics

ECET 22400 Electronic Systems
ECET 27300 Modern Energy Systems

TLI 45830 Service Learning

ECET 17900 Intro to Digital Systems
CNIT 10500 Intro to C Programming

Emerging Technologies

CGT 10101 (2cr.) Foundations of Computer Graphics Technology
CGT 14100 Internet Found, Tech & Devel
CNIT 17600 Information Technology Architectures
ECET 12000 Gateway to Electrical Engineering Technology
ECET 27300 Modern Energy Systems
ECET 27400 Wireless Communications
ECET 32100 Intro to Nanotechnology
ECET 32300 Intro to Electric Vehicle Systems
IT 54000 Biometric Performance & Usability Analysis

Product Lifecycle Management (minor in PLM)

CGT 11000 Technical Graphics Communication
CGT 11600 Geometric Modeling for Visualization and Communication
CGT 16300 Graphical Com and Spatial Analysis
CGT 16400 Graphics for Civil Engineering and Construction
CGT 22600 Intro to Constraint-Based Modeling
CGT 32600 Graphic Standards for Product Definition
CGT 42300 Product Data Management or CGT 42600 Industry Applications of Simulation and Visualization

Agricultural Business (minor is Food & Ag Business)

AGEC 33000 Management Methods for Agricultural Business
AGEC 22000 Economics of Agricultural Markets
AGEC 32100 Principles of Commodity Marketing
AGEC 32700 Princ of Food and Agribusiness Mrkt
AGEC 33100 Princ of Selling in Agricultural Bus
AGEC 33300 Food Distribution-A Retailing Persp.
AGEC 35200 Quantitative Techniques for Firm Decision Making
AGEC 42100 Advanced Commodity Marketing
AGEC 42400 Financial Management of Agricultural Business
AGEC 42500 Estate Planning & Property Transfer
AGEC 42700 Advanced Agribusiness Marketing
AGEC 43000 Ag & Food Business Strategy
AGEC 43100 Advanced Agri-Sales and Marketing
AGEC 45100 Applied Econometrics
AGEC 45500 Agricultural Law
AGEC 45600 Federal Income Tax Law

TLI 49800 Undergrad Research in TLI

- b. Cultural Self-Awareness
- c. Cultural Worldview
- d. Intercultural Empathy

4. Complete six credits from the following courses:

OLS 45600 Leadership in a Global Environment

TLI 35600 Global Technology Leadership

TECH 33000 Technology & the Global Society

AGEC 25000 Economics Geography of World Food

AGEC 34000 International Economic Development (pre-req AGECE 217/ECON 210)

ANTH 34000 Global Perspectives on Health

COM 30300 Intercultural Communication

COM 22400 Communicating in a Global Workplace

EPICS – Global Design Teams

HIST 33400 Sci & Tech in West Civilization II

POL 13000 Intro to International Relations

POL 23100 Intro to US Foreign Policy

POL 23500 Rich and Poor Nations

POL 23700 Modern Weapons & International Relations

POL 32700 Green Global Politics

POL 34500 West European Democracies in the Post-Industrial Era

SOC 33800 Global Social Movements

SOC 33900 Introduction to Sociology of Developing Nations

Any foreign language 200 or higher (201, 202, 301, 302, 401, 402)